

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010604

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 C12N15/63 C12N1/21 C12N5/10 C07K16/40  |  |  |
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| According to International Patent Classification (IPC) or to both national classification and IPC  |  |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 C12N C07K A61K   |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |  |
| Electronic data base consulted during the International search (name of data base and, where practical, search terms used)<br>EPO-Internal, EMBASE, BIOSIS, PAJ, WPI Data  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |  |
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.  |
| X  | HUNDLEY T R ET AL: "Characteristics of arachidonic acid generation in human basophils: relationship between the effects of inhibitors of secretory phospholipase A2 activity and leukotriene C4 release."<br>THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS. MAR 1998, vol. 284, no. 3, March 1998 (1998-03), pages 847-857, XP002304897<br>ISSN: 0022-3565<br>abstract<br>page 848, right-hand column<br>-----<br>-/-- | 1-26   |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input type="checkbox"/> Patent family members are listed in annex.   |  |  |
| * Special categories of cited documents :<br>*A* document defining the general state of the art which is not considered to be of particular relevance<br>*E* earlier document but published on or after the international filing date<br>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>*O* document referring to an oral disclosure, use, exhibition or other means<br>*P* document published prior to the international filing date but later than the priority date claimed<br>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>*G* document member of the same patent family |  |  |
| Date of the actual completion of the international search<br>15 November 2004  |  | Date of mailing of the international search report<br>08/12/2004 |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax (+31-70) 340-3016  |  | Authorized officer<br>Meacock, S                                 |

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | <p>THWIN MAUNG-MAUNG ET AL: "Functional site of endogenous phospholipase A2 inhibitor from python serum."<br/>EUROPEAN JOURNAL OF BIOCHEMISTRY / FEBS. JAN 2002, vol. 269, no. 2, January 2002 (2002-01), pages 719-727, XP002304898<br/>ISSN: 0014-2956<br/>abstract<br/>page 721, left-hand column<br/>page 723, right-hand column - page 724, left-hand column</p>   | 1,16-26               |
| X          | <p>FURUE S ET AL: "Therapeutic time-window of a group IIA phospholipase A2 inhibitor in rabbit acute lung injury: correlation with lung surfactant protection."<br/>CRITICAL CARE MEDICINE. APR 2001, vol. 29, no. 4, April 2001 (2001-04), pages 719-727, XP009039628<br/>ISSN: 0090-3493<br/>abstract<br/>page 727, left-hand column</p>                              | 1,16-21               |
| X          | <p>NIESSEN HANS W M ET AL: "Type II secretory phospholipase A2 in cardiovascular disease: a mediator in atherosclerosis and ischemic damage to cardiomyocytes?"<br/>CARDIOVASCULAR RESEARCH. 15 OCT 2003, vol. 60, no. 1, 4 September 2003 (2003-09-04), pages 68-77, XP002304899<br/>ISSN: 0008-6363<br/>abstract<br/>page 73, left-hand column - page 75</p>          | 1,16-21               |
| A          | <p>GRAFF J R ET AL: "Expression of group IIA secretory phospholipase A2 increases with prostate tumor grade."<br/>CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. DEC 2001, vol. 7, no. 12, December 2001 (2001-12), pages 3857-3861, XP002304900<br/>ISSN: 1078-0432<br/>abstract<br/>page 3860, right-hand column</p> |                       |
|            | -----<br>-/--   |                       |

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | <p>BIDGOOD M J ET AL: "Type IIA secretory phospholipase A2 up-regulates cyclooxygenase-2 and amplifies cytokine-mediated prostaglandin production in human rheumatoid synoviocytes."<br/>JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 1 SEP 2000, vol. 165, no. 5, 1 September 2000 (2000-09-01), pages 2790-2797, XP002304901<br/>ISSN: 0022-1767</p> <p>-----</p> |                       |

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 18-25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## Continuation of Box II.1

Although claims 18-25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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## Continuation of Box II.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy.

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## Continuation of Box II.2

Present claim 1 relates to a compound defined only by reference to a desirable characteristic or property, namely binding or inhibition of secretory phospholipase A2 IIA (sPLA2 II2) and blocking or neutralising at least one sPLA2 IIA function, or depleting sPLA2 IIA.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compound which is an antibody.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.